

In response to the most recent Office Action in this case mailed November 30, 2001, the Applicant, acting through his attorney, requests amendment of the above referenced application as follows.

In the Claims:

Please cancel claims 24-27 without prejudice or disclaimer.

Please replace claims 28, 40, 45-47, and 56 with the following amended claims 28, 40, 45-47, and 56.

Sub E1
C2

28. A method, comprising:
generating a first current that changes with temperature according to a first polarity;
generating a second current that changes with temperature according to a second polarity;
combining the first and second currents to generate a reference current; and
comparing the reference current to a third current that is dependent on a power-supply voltage.

Sub E1
C2

40. A method, comprising:
generating a first current that increases as temperature increases and that decreases as temperature decreases;
generating a second current that decreases as temperature increases and that increases as temperature decreases;
generating a third current that is dependent on a first voltage; and
combining the first, second, and third currents at a node to generate a second voltage on the node.

C³
Sub E1

45. A method, comprising:
generating a first current that is related to temperature according to a first polarity;
generating a second current that is related to temperature according to a second polarity;
combining the first and second currents into a reference current;
generating a third current that is dependent on a first voltage; and
comparing the third current to the reference current.

46. The method of claim 45 wherein:
the first current is related to a thermal voltage;
the second current is related to a voltage across a forward-biased p-n junction;
and
the third current is dependent on a power-supply voltage.

47. The method of claim 45 wherein:
combining the first and second currents comprises sinking the first and second currents from a node; and
comparing the third current to the reference current comprises,
sourcing the third current to the node, and
comparing a second voltage on the node to a reference voltage.

C⁴
Sub E1

58. A method, comprising:
generating a first current that changes with temperature according to a first polarity;
generating a second current that changes with temperature according to a second polarity;
combining the first and second currents to generate a reference current; and
comparing the reference current to a third current that is proportional to a power-supply voltage